

MATERIAL SAFETY DATA SHEET

MC-X-01046

MSDS NUMBER

FM 4616

PRODUCT IDENTIFICATION

| | | | |
|---|--------------------------|---------------------|---------------------------------------|
| TRADE NAME AA Fiber for Aircraft | | | GENERIC NAME Fibrous Glass |
| MANUFACTURER'S NAME Manville Building Materials Corporation | | | CAS NUMBER - |
| ADDRESS (STREET) P. O. Box 5108 | | | PHONE NUMBER (303) 978-3120 |
| CITY Denver | STATE Colorado | ZIP 80217 | CHEMICAL STRUCTURE |

I • PRODUCT INGREDIENTS

| MATERIAL | CAS NUMBER | % | TLV |
|----------------------------------|------------|----|-------------|
| Fibrous Glass | 65997-17-3 | 88 | 30*mppcf or |
| Phenolformaldehyde resin (cured) | 25104-55-6 | 12 | 10 mg/m3 or |
| | | | Total Dust |

*While OSHA considers glass microfibers to be a nuisance dust (TLV 30 mppcf of 10 mg/m3 total dust), Manville recommends a TLV of 2 f/cc for fibers longer than 10 micrometers.

II • PHYSICAL DATA

| | |
|--|------------------|
| BOILING POINT N/A | SPECIFIC GRAVITY |
| SOLUBILITY IN WATER Negligible | PERCENT VOLATILE |
| APPEARANCE AND ODOR Colored fibrous mat - no significant odor. | |

III • FIRE AND EXPLOSION DATA

| | | | |
|--|------------------|-----|-----|
| FLASH POINT The fibrous glass is nonflammable however, the resin will pyrolyze in a major conflagration. | FLAMMABLE LIMITS | LEL | UEL |
| EXTINGUISHING MEDIA CO₂, water, water fog, dry chemical ABC rated. | | | |
| SPECIAL FIREFIGHTING PROCEDURES Resin will pyrolyze causing dense, acrid smoke - use self-contained breathing apparatus. | | | |
| UNUSUAL FIRE OR EXPLOSION HAZARDS None | | | |

IV • HEALTH HAZARD INFORMATION

HAZARD BY ROUTES OF EXPOSURE (Indicate chronic or acute)

INHALATION Based on current data available, there are no known acute or chronic health hazards.

INGESTION

None

EYE

Transient mechanical irritant.

SKIN CONTACT

Transient mechanical irritant.

SKIN ABSORPTION

None

SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER TLV Inhalation - excessive exposure to product dust may cause upper respiratory irritation.

Eye - temporary irritation or inflammation.

Skin - temporary irritation or rash.

HEALTH HAZARD INFORMATION CONTINUED ON BACK

V • HEALTH HAZARD INFORMATION (Continued)**FIRST AID**

ACTION

Move to fresh air.

EXPOSURE

N/A

EYE CONTACT Flush with copious quantities of water. If irritation persists, consult a physician.

SKIN CONTACT

Wash exposed areas with soap and warm water.

SKIN ABSORPTION

VI • CONDITIONS FOR SAFE USE (When over TLV)

RESPIRATORY PROTECTION

Use a respirator suitable for protection against nuisance dust.

EYE PROTECTION

Goggles are recommended.

PROTECTIVE GLOVES

Not normally required.

OTHER PROTECTIVE CLOTHING/EQUIPMENT

VENTILATION REQUIREMENTS

Recommended at source of any mechanical cutting.

VII • REACTIVITY DATA

IS MATERIAL STABLE?

Yes

WILL HAZARDOUS POLYMERIZATION OCCUR?

No

INCOMPATIBILITY

Hydrofluoric acid

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, phenol, hydrogen cyanide derived from pyrolysis of the resin.

VIII • SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED

Vacuum clean dust. If sweeping is necessary use a dust suppressant.

WASTE DISPOSAL METHOD

Normal practice

LABELING REQUIRED?

Yes

DOT REGULATED?

DOT NUMBER

RCRA REGULATED?

No

RCRA NUMBER

IX • SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS FOR HANDLING AND STORAGE

OTHER PRECAUTIONS

See caution label on package.

PREPARED BY

Kenneth A. Roberts

DATE

11/11/83

TITLE

Mgr., Environmental Services

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, THE MANUFACTURER MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.